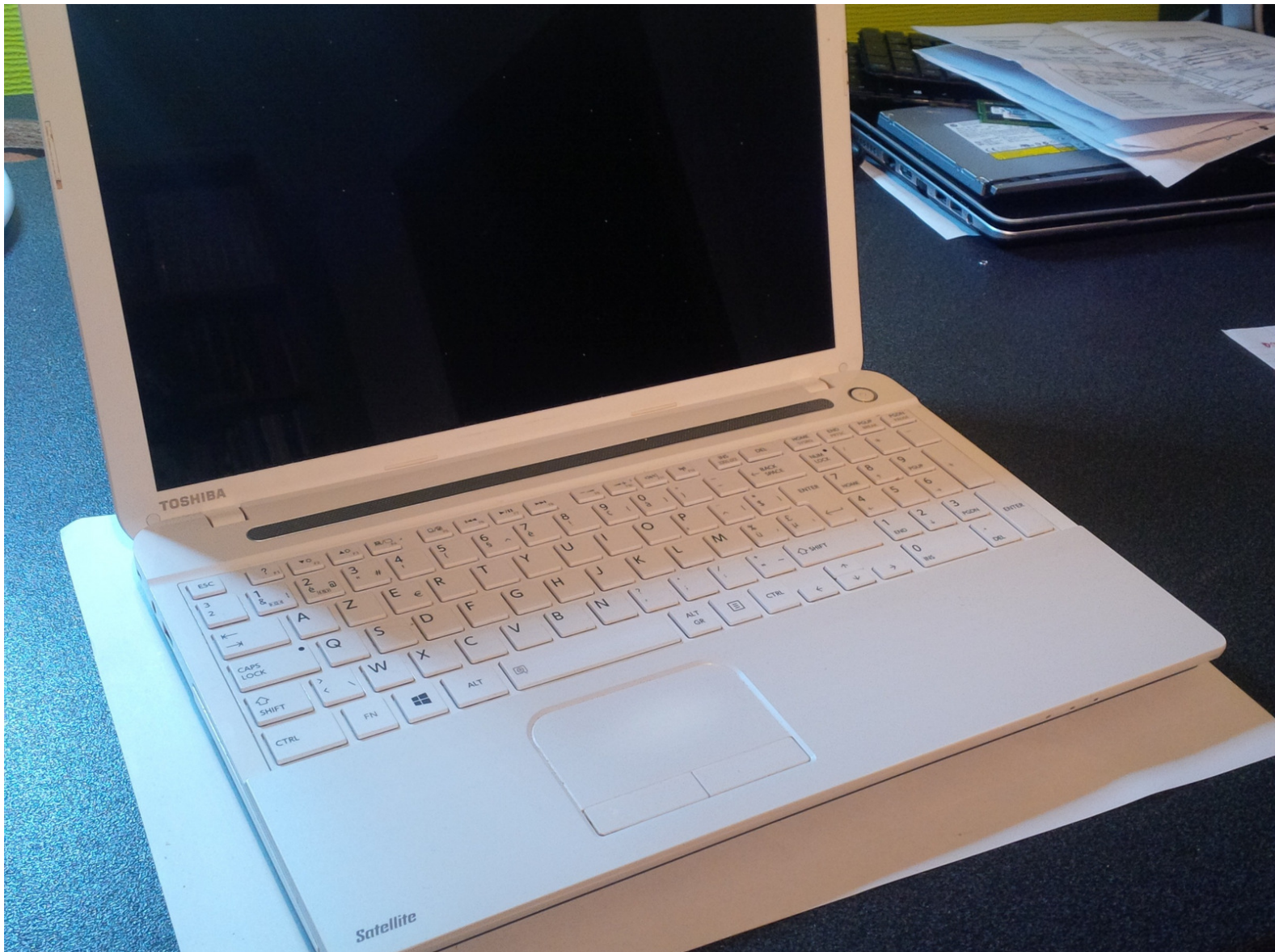




# Disassembling Toshiba Satellite C55 a 1j2 laptop

we will take the laptop apart and i will show you how to replace different parts of the laptop.

Written By: Kevin D



## INTRODUCTION

hey all,

today i wil show you how to open the toshiba satellite c55 1j2 serie.

you will see how to remove/replace different parts of the laptop and repair it. Or you can upgrade the laptop

In this project i had to clean out ( dust and others) the inside of the laptop. But i will show you the rest as well.



### TOOLS:

- [Phillips #00 Precision Screwdriver](#) (1)
  - [IC Extractor/Connector Puller](#) (1)
  - [iSesamo Opening Tool](#) (1)
  - [Flathead 3/32" or 2.5 mm Screwdriver](#) (1)
  - [Phillips #000 Screwdriver](#) (1)
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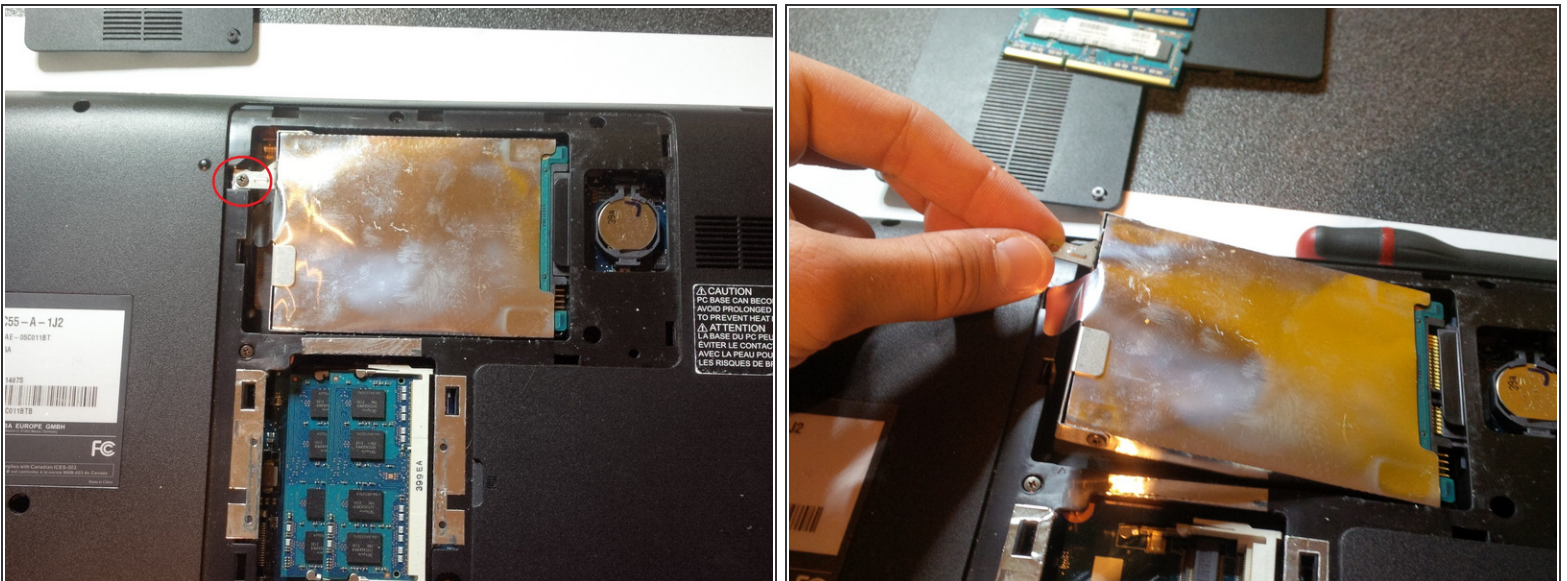


## Step 1 — removing battery and backpanel



- First of all remove the battery.
- ☑ like always : draw a map of the laptop and paste/draw where all the screws come from or use a magnetic project map.
- remove the bottom plate of the ram and HDD.

## Step 2 — removing ram and hdd



- now remove the hdd screw ( red circle)
- lift up the HDD
- remove the ram by clicking the levers to the outside



### Step 3 — removing the dvd bay



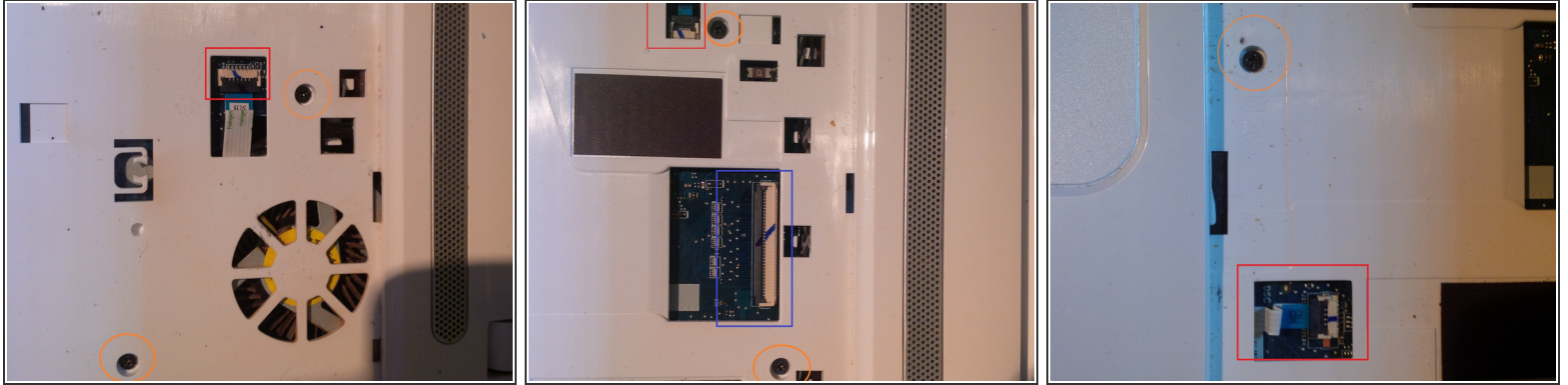
- remove the screw , and use a spudger to remove the dvd bay. ( slide it out)

### Step 4 — removing keyboard



- remove the screw of the keyboard, orange circle
  - turn the laptop again and remove the keyboard.
  - use a isesamo to click the keyboard off the laptop. the "click levars"( 6 of them) are under number 0 , between left arrow and ctrl, alt gr , space bar, windows button and alt and ctrl(left)
- ⚠ do it very gently , you can break the keyboard or you can break some buttons off the keyboard.
- after clicking the keyboard loose, lift the lid of the connector socket up and remove the flex cable. you can see a picture in step 6.

## Step 5 — removing screws and connectors



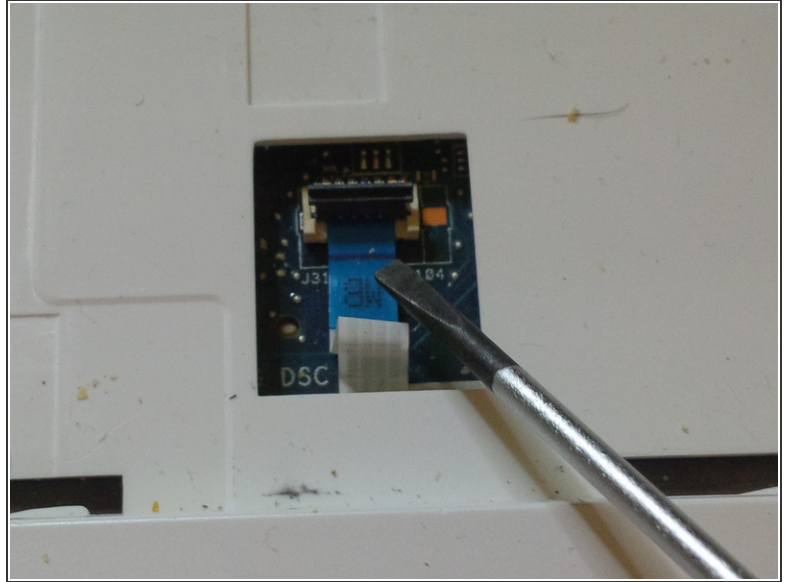
- now you will see 2 connectors and 7 screws under the keyboard.

⚠ If you don't know how to remove the connectors safely see the next step.

- remove the screws and gently remove the 2 connectors from the connectors. like always do it gently.
- the orange circles are the screws to remove the mainboard in a later step
- the red squares are the connectors of the mouse pad and powerboard
- the blue square is the connector from the keyboard.

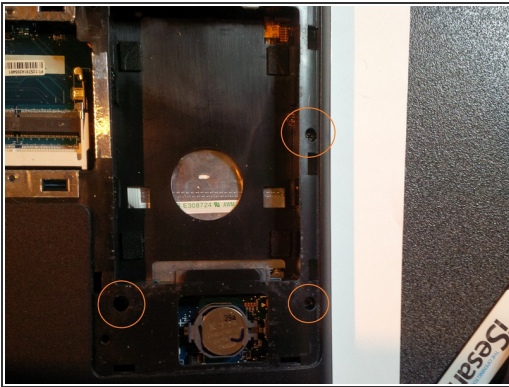


## Step 6 — removing connectors



- use a spudger or little flathead screwdriver to open the lid of the connectors.

## Step 7 — removing screws of case



- ❗ again : draw a map of the laptop , so you remeber where all the screws come from. Or use a magnetic project map.
- first screws : 3 screws in the HDD compartment.
- screws at the side , also see the next step for the rest of the screws.

## Step 8 — removing screws and case step 2



- remove the last screws
- then : slide your spudger or isesamo between the bottom plate and upper plate to remove the case. you will hear clicks. be gently while sliding

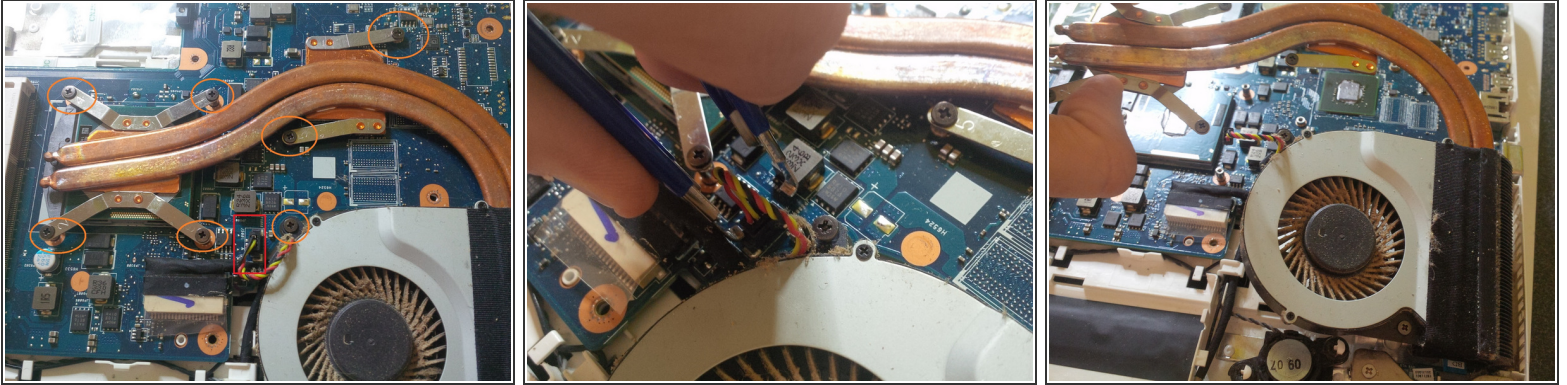
## Step 9 — opening the laptop



- gently remove the plate.
- after opening you'll see the mainboard or like we call it here in Belgium : the motherboard.



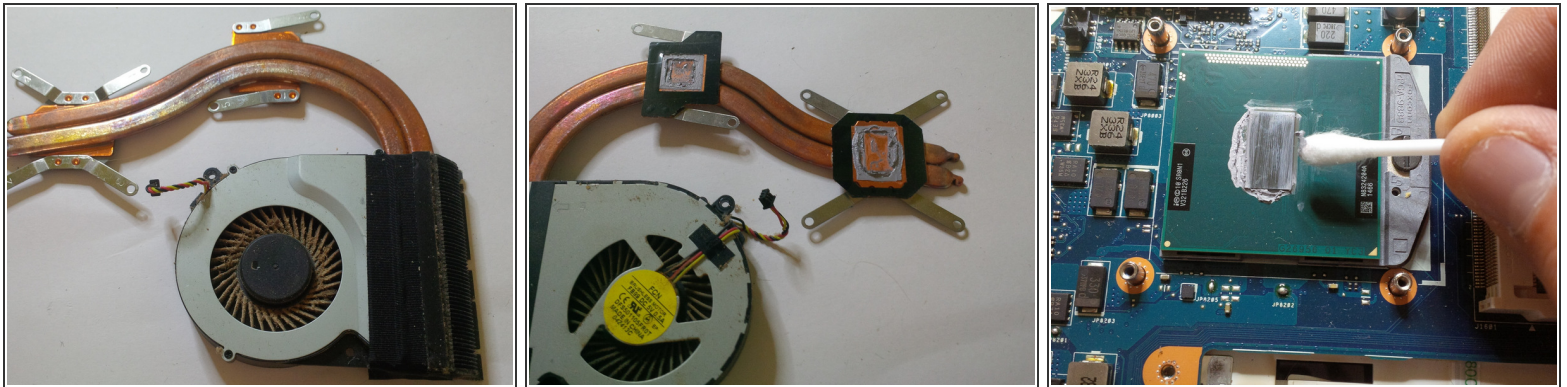
## Step 10 — removing/ cleaning fan and cooling pads



- in this step we will show you how to remove the fan and the cooling tubes and pads for cleaning or renewing.
- there are 8 screws and 1 connector
- remove the screws ( 1 screw is not on the pictures, you ll find it at the bottom of the fan) but unscrew them simultaneous.
- remove the connector ( see picture 2 ) using an IC extractor
- remove the cooling tubes and fan.
- clean the pads using isopropyl alcohol. you will see pieces (remnants ?) of old thermal paste.
- ⓘ if the fan itself is broken , you can replace this by removing the very tiny screws. and remove the black tape.



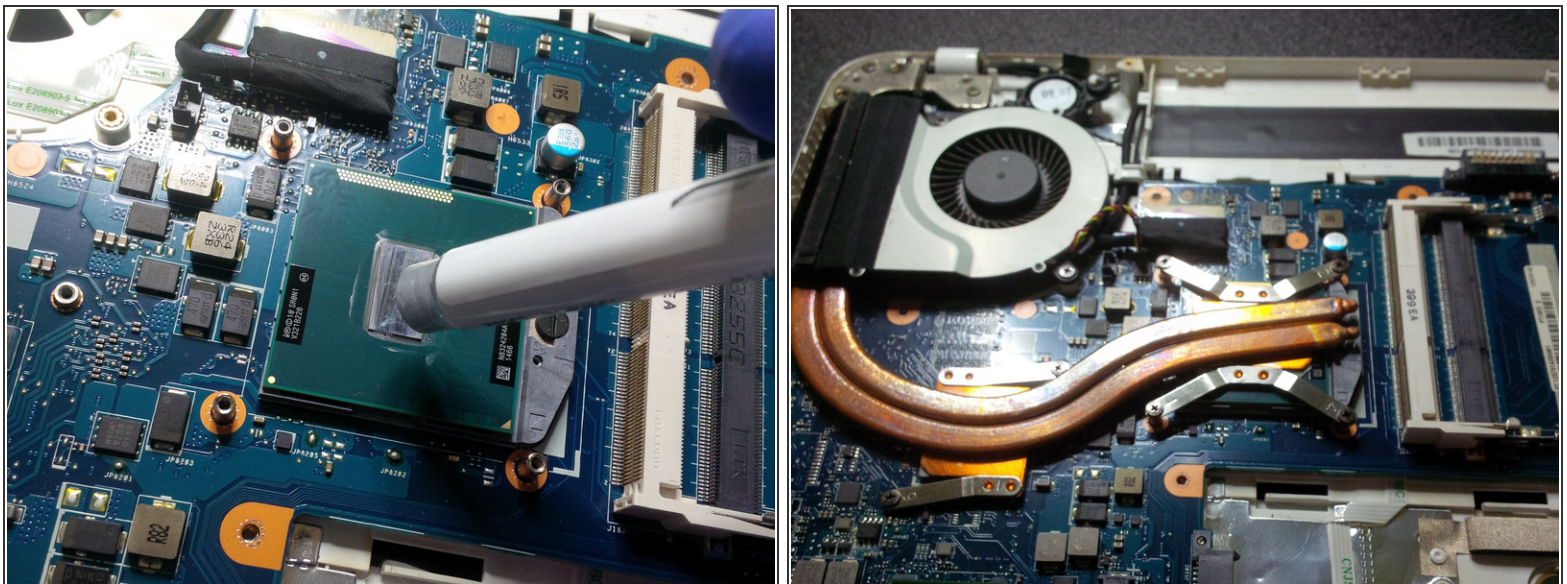
## Step 11 — cooling pads/ fan and renewing thermal paste



⚠ clean CPU and pads with isopropyl alcohol. But, like you know ,be carefull with this.

- use gloves
- you can also renew /upgrade the cpu, just use a flathead screwdriver to open the cpu socket.

## Step 12 — thermal paste

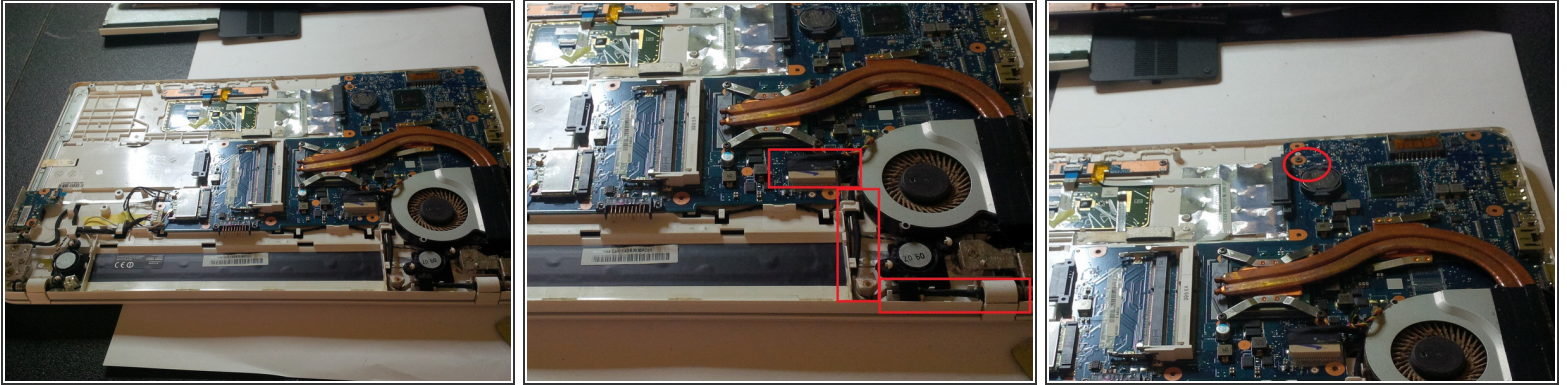


⚠ use gloves , cause thermal paste is very toxic.

i one drop is enough on the CPU , and a little drop on the graphic chip.

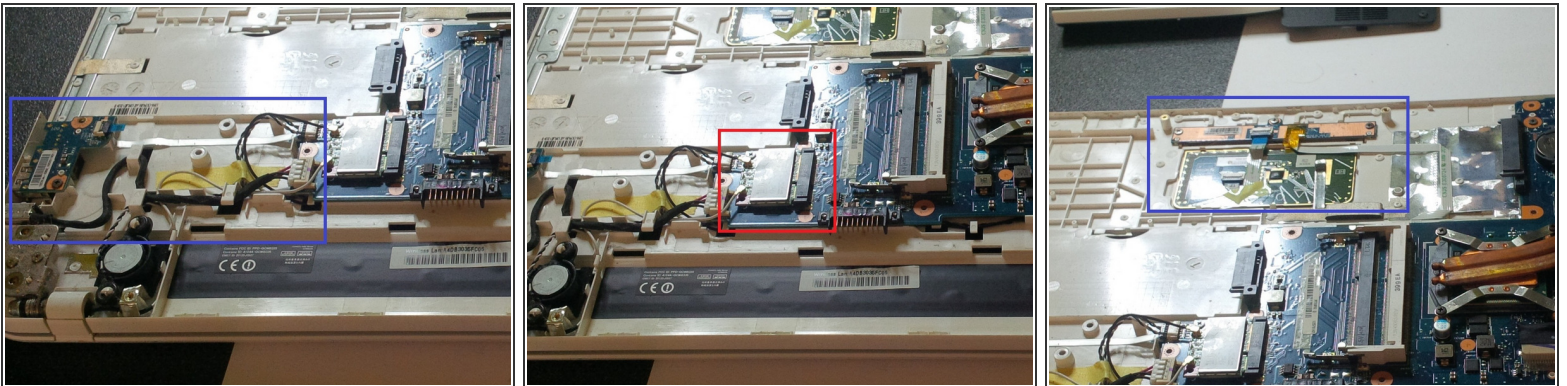


## Step 13 — mainboard



- removing or replacing the Mainboard :
- first remove the LCD connector: do it very gently, there are a lot of tiny thin wires, they are very breakable. you see this in picture 2, if you have to replace the whole screen, i don't have pictures of this in this guide, but we have other guides that show you how to or you can find these here at [ifixit.com](http://ifixit.com)
- remove the screw you see in picture 3

## Step 14 — mainboard step 2 DC JACK/ WIFI/MOUSEPAD



- in these 3 pictures: dc jack in picture one, + the connector, and the usb pcb. if you have to replace the dc jack, be gently with the connector.
- second picture : wifi module. always remember the color code ( black and white)
- third picture : mousepad and screws.



To reassemble your device, follow these instructions in reverse order.

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